

**WHAT IS CLAIMED IS:**

1. A composition comprising:
  - i) at least one anhydrous bleaching composition comprising
    - at least one peroxygenated salt,
    - at least one alkaline agent, and
    - from 15% to 35% by weight of at least one inert organic liquid, and
  - ii) at least one oxidizing composition comprising
    - at least one surfactant chosen from nonionic and anionic surfactants and
    - at least one copolymer comprising at least one hydrophobic unit and at least one unit derived from at least one ethylenically unsaturated monomer comprising at least one sulphonic group, in free or partially or totally neutralized form.
2. The composition according to Claim 1, wherein the composition is for bleaching human keratin fibers.
3. The composition according to Claim 2, wherein the human keratin fibers are hair.
4. The composition, according to Claim 2, wherein the composition is obtained by mixing before using it.
5. The composition according to Claim 1, wherein the at least one anhydrous bleaching composition is in paste form.
6. The composition according to Claim 1, wherein the at least one oxidizing composition is in the form of a hydrogen peroxide oil-in-water emulsion.

7. The composition according to Claim 1, wherein the at least one inert organic liquid is chosen from polydecenes, carboxylic acid monoesters, carboxylic acid polyesters, sugar monoesters of C<sub>8</sub>-C<sub>30</sub> acids, polyesters of C<sub>8</sub>-C<sub>30</sub> acids, cyclic ethers, cyclic esters, silicone oils, mineral oils and plant oils.

8. The composition according to Claim 1, wherein the at least one inert organic liquid is chosen from C<sub>8</sub>-C<sub>30</sub> acid esters chosen from saturated, linear and branched C<sub>3</sub>-C<sub>6</sub> monoalcohols.

9. The composition according to Claim 1, wherein the at least one peroxygenated salt is chosen from alkali metal persulphates, alkaline-earth metals persulphates, perborates, percarbonates and peroxides.

10. The composition according to Claim 9, wherein the at least one peroxygenated salt is chosen from sodium persulphates and potassium persulphates.

11. The composition according to Claim 1, wherein the at least one peroxygenated salt is present in the at least one anhydrous bleaching composition in an amount ranging from 10% to 70% by weight, relative to the total weight of the at least anhydrous bleaching composition.

12. The composition according to Claim 11, wherein the at least one peroxygenated salt is present in the at least one anhydrous bleaching composition in an amount ranging from 20% to 60% by weight, relative to the total weight of the at least one anhydrous bleaching composition.

13. The composition according to Claim 1, wherein the at least one peroxygenated salt is present in an amount ranging from 5% to 35% by weight, relative to the total weight of the composition.

14. The composition according to Claim 13, wherein the at least one peroxygenated salt is present in an amount ranging from 10% to 30% by weight, relative to the total weight of the composition.

15. The composition according to Claim 1, wherein the at least one alkaline agent is chosen from urea; ammonium salts; alkali metal silicates, alkaline-earth metal silicates, phosphates and carbonates.

16. The composition according to Claim 1, wherein the at least one alkaline agent is present in the at least one anhydrous bleaching composition in an amount ranging from 0.01% to 40% by weight, relative to the total weight of the at least one anhydrous bleaching composition.

17. The composition according to Claim 16, wherein the at least one alkaline agent is present in the at least one anhydrous bleaching composition in an amount ranging from 0.1% to 30% by weight, relative to the total weight of the at least one anhydrous bleaching composition.

18. The composition according to Claim 1, wherein the at least one alkaline agent is present in an amount ranging from 0.005% to 20% by weight, relative to the total weight of the composition

19. The composition according to Claim 18, wherein the at least one alkaline agent is present in an amount ranging from 0.05% to 15% by weight, relative to the total weight of the composition.

20. The composition according to Claim 1, wherein the at least one anhydrous bleaching composition further comprises at least one surfactant chosen from nonionic, anionic, amphoteric, zwitterionic and cationic surfactants.

21. The composition according to Claim 1, wherein the at least one anhydrous bleaching composition further comprises at least one water-soluble thickener not comprising a hydrophobic chain.

22. The composition according to Claim 21, wherein the at least one water-soluble thickener in the at least one anhydrous bleaching composition is present in an amount ranging from 0.01% to 30% by weight, relative to the total weight of the at least one anhydrous bleaching composition.

23. The composition according to Claim 1, wherein the at least one anhydrous bleaching composition further comprises at least one amphiphilic polymer comprising at least one hydrophobic chain.

24. The composition according to Claim 23, wherein the at least one amphiphilic polymer is different from the at least one copolymer present in the at least one oxidizing composition.

25. The composition according to Claim 23, wherein the at least one amphiphilic polymer comprising at least one hydrophobic chain is present in an amount ranging from 0.01% to 30% by weight, relative to the total weight of the composition.

26. The composition according to Claim 1, wherein the at least one anhydrous bleaching composition comprises less than 1% by weight of water, relative to the total weight of the at least one anhydrous bleaching composition.

27. The composition according to Claim 26, wherein the at least one anhydrous bleaching composition comprises less than 0.5% by weight of water, relative to the total weight of the at least one anhydrous bleaching composition.

28. The composition according to Claim 1, wherein the at least one copolymer of the oxidizing composition comprises at least one unit derived from at least one ethylenically unsaturated monomer comprising at least one sulphonic group chosen from vinylsulphonic, styrenesulphonic, (meth)acrylamido(C1-C22)alkylsulphonic, and N-(C1-C22)alkyl(meth)acrylamido(C1-C22)alkylsulphonic acids.

29. The composition according to Claim 28, wherein the N-(C1-C22)alkyl(meth)acrylamido(C1-C22)alkylsulphonic acid is chosen from undecylacrylamidomethanesulphonic acid.

30. The composition according to Claim 1, wherein the at least one hydrophobic unit, of the at least one copolymer, comprises from 6 to 50 carbon atoms.

31. The composition according to Claim 30, wherein the at least one hydrophobic unit, of the at least one copolymer, comprises from 6 to 22 carbon atoms.

32. The composition according to Claim 31, wherein the at least one hydrophobic unit, of the at least one copolymer, comprises from 6 to 18 carbon atoms.

33. The composition according to Claim 32, wherein the at least one hydrophobic unit, of the at least one copolymer, comprises from 12 to 18 carbon atoms.

34. The composition according to Claim 1, wherein the at least one copolymer is present in an amount ranging from 0.005% to 15% by weight, relative to the total weight of the composition.

35. The composition according to Claim 34, wherein the at least one copolymer is present in an amount ranging from 0.05% to 7.5% by weight, relative to the total weight of the composition.

36. The composition according to Claim 35, wherein the at least one copolymer is present in an amount ranging from 0.1% to 5% by weight, relative to the total weight of the composition.

37. The composition according to Claim 1, wherein the at least one oxidizing composition comprises

at least one anionic surfactant chosen from alkyl sulphates, alkyl ether sulphates, alkylamido ether sulphates, alkylaryl polyether sulphates, monoglyceride sulphates, alkyl sulphonates, alkyl phosphates, alkylamide sulphonates, alkylaryl sulphonates,  $\alpha$ -olefin sulphonates, paraffin sulphonates; (C<sub>6</sub>-C<sub>24</sub>)alkyl sulphosuccinates, (C<sub>6</sub>-C<sub>24</sub>)alkyl ether sulphosuccinates, (C<sub>6</sub>-C<sub>24</sub>)alkylamide sulphosuccinates, (C<sub>6</sub>-C<sub>24</sub>)alkyl sulphoacetates, (C<sub>6</sub>-C<sub>24</sub>)acyl sarcosinates, and (C<sub>6</sub>-C<sub>24</sub>)acyl glutamates, (C<sub>6</sub>-C<sub>24</sub>)alkylpolyglycoside carboxylic esters, acyl isethionates and N-acyl taurates, fatty acid salts, alkyl D-galactoside uronic acids and their salts, polyoxyalkylenated (C<sub>6</sub>-C<sub>24</sub>)alkyl ether carboxylic acids, polyoxyalkylenated (C<sub>6</sub>-C<sub>24</sub>)alkylaryl ether carboxylic acids, polyoxyalkylenated (C<sub>6</sub>-C<sub>24</sub>)alkylamido ether carboxylic acids and their salts,

and

at least one nonionic surfactant chosen from polyethoxylated and polypropoxylated, alkylphenols, alpha-diols and alcohols comprising at least one fatty chain, copolymers of ethylene oxide and of propylene oxide, condensates of ethylene oxide and of propylene oxide with fatty alcohols, polyethoxylated fatty amides, mono- and polyglycerolated fatty alcohols, polyglycerolated fatty amides, oxyethylenated fatty acid esters of sorbitan, fatty acid esters of sucrose, fatty acid esters of polyethylene glycol, alkylpolyglycosides, N-alkylglucamine derivatives, and amine oxides.

38. The composition according to Claim 37, wherein the at least one fatty chain of the alcohol comprising at least one fatty chain, comprises from 6 to 24 carbon atoms.

39. The composition according to Claim 37, wherein the amine oxides are chosen from (C<sub>10</sub>-C<sub>14</sub>)alkylamine oxides and N-acylaminopropylmorpholine oxides.

40. The composition according to Claim 20, wherein the at least one surfactant is present in an amount ranging from 0.05% to 30% by weight, relative to the total weight of the composition.

41. The composition according to Claim 40, wherein the at least one surfactant is present in an amount ranging from 0.1% to 20% by weight, relative to the total weight of the composition.

42. The composition according to Claim 6, wherein the oil phase of the oil-in-water emulsion comprises at least one fatty alcohol.

43. The composition according to Claim 6, wherein the hydrogen peroxide in the composition is present in an amount ranging from 1% to 12% as hydrogen peroxide titre.

44. The composition according to Claim 43, wherein the hydrogen peroxide in the composition is present in an amount ranging from 2% to 9% as hydrogen peroxide titre.

45. The composition according to Claim 44, wherein the hydrogen peroxide in the composition is present in an amount ranging from 2% to 6% as hydrogen peroxide titre.

46. The composition according to Claim 1, wherein the pH of the oil-in-water emulsion ranges from 1 to 6.

47. The composition according to Claim 46, wherein the pH of the oil-in-water emulsion ranges from 2 to 4.

48. The composition according to Claim 1, wherein the pH of the composition ranges from 4 to 12.

49. The composition according to Claim 48, wherein the pH of the composition ranges from 7 to 11.5.

50. The composition according to Claim 49, wherein the pH of the composition ranges from 8 to 11.

51. A process for preparing a ready-to-use composition for bleaching human keratin fibers comprising:

- i) at least one anhydrous bleaching composition comprising
  - at least one peroxygenated salt,
  - at least one alkaline agent, and
  - from 15% to 35% by weight of at least one inert organic liquid, and
- ii) at least one oxidizing composition comprising
  - at least one surfactant chosen from nonionic and anionic surfactants and
  - at least one copolymer comprising at least one hydrophobic unit and at least one unit derived from at least one ethylenically unsaturated monomer comprising at least one sulphonic group, in free or partially or totally neutralized form.

52. The process according to Claim 51, wherein the human keratin fibers are hair.

53. The process, according to Claim 51, wherein the process is obtained by mixing before using it.



54. The process according to Claim 51, wherein the at least one anhydrous bleaching composition is in paste form.

55. The process according to Claim 51, wherein the at least one oxidizing composition is in the form of a hydrogen peroxide oil-in-water emulsion.

56. A process for bleaching human keratin fibers, comprising
- (1) applying, to the area of wet or dry human keratin fibers to be bleached, at least one ready-to-use bleaching composition comprising
    - i) at least one anhydrous bleaching composition comprising
      - at least one peroxygenated salt,
      - at least one alkaline agent, and
      - from 15% to 35% by weight of at least one inert organic liquid, and
    - ii) at least one oxidizing composition comprising
      - at least one surfactant chosen from nonionic and anionic surfactants and
      - at least one copolymer comprising at least one hydrophobic unit and at least one unit derived from at least one ethylenically unsaturated monomer comprising at least one sulphonic group, in free or partially or totally neutralized form,
  - (2) leaving the composition to act for a leave-in time that is sufficient to obtain the desired bleaching result;
  - (3) removing the composition from the human keratin fibers by rinsing with water,
  - (4) washing the human keratin fibers with shampoo and optionally drying the human keratin fibers.

57. The process according to Claim 56, wherein the human keratin fibers are hair.
58. The process according to Claim 56, wherein the at least one anhydrous bleaching composition is in paste form.
59. The process according to Claim 56, wherein the at least one oxidizing composition is in the form of a hydrogen peroxide oil-in-water emulsion.
60. The process according to Claim 56, wherein the leave-in time ranges from 1 to 60 minutes.
61. The process according to Claim 60, wherein the leave-in time ranges from 10 to 50 minutes.
62. A multi-compartment device or "kit" comprising at least two compartments, wherein, at least one compartment comprises:
- i) at least one anhydrous bleaching composition comprising
    - at least one peroxygenated salt,
    - at least one alkaline agent, and
    - from 15% to 35% by weight of at least one inert organic liquid, and
  - ii) at least one oxidizing composition comprising
    - at least one surfactant chosen from nonionic and anionic surfactants and
    - at least one copolymer comprising at least one hydrophobic unit and at least one unit derived from at least one ethylenically unsaturated monomer comprising at least one sulphonic group, in free or partially or totally neutralized form.

63. The composition according to Claim 62, wherein the at least one anhydrous bleaching composition is in paste form.

64. The composition according to Claim 62, wherein the at least one oxidizing composition is in the form of a hydrogen peroxide oil-in-water emulsion.